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L22: Entry 12 of 14

File: DWPI

Aug 6, 1998

DERWENT-ACC-NO: 1991-092281

DERWENT-WEEK: 199836

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TITLE: New phosphatidyl:choline calcium - is a peroxidase inhibitor used as antiinflammatory agent

PATENT-ASSIGNEE:

ASSIGNEE

CODE

YAGI ANTENNA KK

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PRIORITY-DATA: 1989JP-0173264 (July 4, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2783848 B2	August 6, 1998		008	C07F009/10
JP 03038592 A	February 19, 1991		007	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 2783848B2	July 4, 1989	1989JP-0173264	
JP 2783848B2		JP 3038592	Previous Publ.
JP03038592A	July 4, 1989	1989JP-0173264	

INT-CL (IPC): A61K 31/68; A61K 31/685; A61K 33/06; A61K 35/78; C07F 9/10

ABSTRACTED-PUB-NO: JP03038592A

BASIC-ABSTRACT:

Novel phosphatidylcholine calcium where fatty acids combine with beta-position and gamma-position of glycerin by esterification has the following compsn: C14:0 0.3, C16:0 17.8, C16:1 0.7, C13:0 1.0, C18:1 43.1, C18:2 36.2, C19:3 0.7. The phosphatidylcholine calcium is pref. derived from Job's tears seeds. Prodn. of the calcium comprises purifying a fraction of Job's tears seeds which can dissolve in methanol and chloroform and is poorly soluble in acetone utilising a silica gel chromatography.

USE/ADVANTAGE - Useful as an active oxygen-inhibitor and antiinflammator y drug.

In an example, 4kg of seeds of Job's tears was poured into a mixt. soln. of chloroform-methanol (2:1), allowed to stand for 10 min., and Folch-washed with a mixt. of methanol-0.1mol potassium chloride (1:1). The obtd. fraction was chromatographed utilizing chloroform, acetone, and methanol, to obtain a neutral fraction, a phosphatidylethanol amine fraction, and a phosphatidylcholine fraction. The methanol fraction was further chromatographed utilizing a mixt. soln. of chloroform-methanol (9:1 and 4:6) to obtain a phosphatidylcholine fraction.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: NEW PHOSPHATIDYL CHOLINE CALCIUM PEROXIDASE INHIBIT ANTIINFLAMMATORY AGENT

DERWENT-CLASS: B05

CPI-CODES: B05-B01P; B12-D07; B12-G01B1;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

A220 A960 B415 B701 B713 B720 B815 B831 C710 H1
H181 J0 J012 J2 J272 K0 L7 L722 M210 M211
M225 M226 M231 M262 M273 M282 M283 M312 M313 M321
M332 M342 M343 M383 M392 M411 M510 M520 M530 M540
M620 M630 M710 M903 M904 P420 P616 V0 V771 V811
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199113-21601-N

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-039693